

ABSTRACT

A system and method for resource allocation in a broadband telecommunications network operating under CF-DAMA. Data-slot credits for each terminal are accumulated, once all CRA and RBDC bandwidth reservations have been satisfied. These credits represent the prioritized segment of the terminal's VBDC bandwidth request and are used by a resource allocation server within the base station of the network to prioritize the VBDC allotment of data slots to that terminal. Once the terminal's VBDC credits have been used, the resource allocation server attempts to satisfy the remaining un-prioritized VBDC bandwidth request, but will only do so if data slots are still available after all of the CRA and RBDC reservations and all VBDC credits of the given terminal have been accommodated.